## ABSTRACT

A method and apparatus provides cryptographic parameters for use in cryptographic applications in response to requests therefor. The method includes the steps of: pre-computing one or more different types of sets of cryptographic parameters, each the type of set being adapted for use by an associated type of cryptographic application; securely storing the pre-computed sets of cryptographic parameters in a memory storage unit; receiving a request for a set of cryptographic parameters having specified characteristics for use in a particular cryptographic application; determining one of the sets of cryptographic parameters stored in the memory storage unit that has specified characteristics; accessing the determined set of cryptographic parameters from the memory storage unit; and providing the determined set of cryptographic parameters with minimal latency.